

ABSTRACT

A three-dimensional position fixing system associated with the keyboard
5 of a digital computer, the keyboard being provided with an array of passive keys
which identify the numerals, letters, symbols and other values to be entered in
binary code forms into the computer when the keys are touched by a finger of the
operator. The system includes a responder mounted on the operator's finger and
a transmitter-receiver assembly housed in the computer which cooperates with
10 the responder to yield a signal indicative of the exact position of the finger when
touching a particular key. Digitally stored in the data storage of the computer is a
table listing the keyboard location of each key and the binary codes of the values
identified by the keys. In operation, when an operator touches a particular key
with his finger, the resultant signal indicative of the finger position acts to scan
15 the table to select therefrom the key whose location matches the finger position,
and then extracts the related binary code which is entered into the computer.